

USCMS Engineer Status Report for August 2004

Zhen Xie

September 11, 2004

1 Work Performed This Month

CMS COBRA/CARF

- prototyping hierarchical data registry with RDBMS. An implementation using Python with MySQL and SQLite as database backends is complete. The work is documented in CMS internal note IN2004-025.

- prototyping CARF metadata with RDBMS. A first round prototype implemented with POOL RAL is done. To be approved by the architect Vincenzo Innocente after CHEP04.

LCG-POOL

- Progress in RelationalAccess: bug fixes in SQLiteAccess. The Relational Abstract Layer(RAL) and SQLiteAccess plug-in are demonstrated at the CERN Computing school 2004.

- Progress in ObjectRelationalAccess: implemented and tested object relational mappings for primitive types and embedded classes.

- Progress in FileCatalog: proposed new file catalog developer interface, to be discussed with the EGEE and the Globus team. The code of the draft proposal committed in POOL cvs branch "splitCatalog".

2 Status of Deliverables

POOL_1.8.0 prereleases are out, official release expected in September

3 Plans For Next Month

Object Relational Access: implement mapping of container types.

Freeze the new File Catalog developer interface.

Add metadata support to the hierarchical data registry prototype.

Vacation for two weeks.

4 Links To Supporting Documentation

- pool.cern.ch
-
- http://cmsdoc.cern.ch/doc/notes/docs/IN2004_025